

Richard Prabowo

+65 9036 8267 | richieprab@gmail.com | linkedin.com/in/richard-prab | github.com/richardprab | [Portfolio](#)

EDUCATION

National University of Singapore	Singapore
Bachelor of Computing in Business AI Systems, Minor in Economics	Aug 2024 – Present
• Programme: NUS Overseas College (Jakarta) Hackathons: CatalystX '25, TikTok TechJam '25	
Singapore Polytechnic	Singapore
Diploma in Computer Engineering	Apr 2020 – Mar 2023
• Awards: Director's Honour Roll (AY 21/22)	
• Certification: Huawei Certified ICT Associate (AI) Hackathon: DSTA BrainHack '21	

EXPERIENCE

Horizon Labs	Singapore
Software Engineer Intern	Jul 2025 – Oct 2025
• Orchestrated high-throughput backend services using FastAPI, seamlessly integrating data pipelines from Microsoft Azure to power core application features	
• Built responsive front-end components (React, TypeScript) for data visualization and platform management, supporting agile project execution	
GoTrade (YC S19)	Jakarta, Indonesia
Data Analyst Intern	May 2025 – Aug 2025
• Interpreted a dataset of 500k+ transaction records to extract actionable intelligence, directly supporting strategic planning for a user base of 100k+ active users	
• Compiled weekly insight reports identifying key churn risks, leading to a 10% improvement in targeted retention workflow efficiency	
• Automated KPI dashboards using SQL and Python, eliminating manual data entry and saving 5 hours of managerial time per week	
CHB Technology Pte Ltd	Singapore
Systems Administrator Intern	Feb 2022 – Aug 2022
• Initiated and led a team of engineers to execute server deployments across hybrid environments, establishing standard operating procedures for future migrations	
• Administered Microsoft Azure tenants for 10+ enterprise clients, ensuring high availability and 99.9% uptime for critical virtual machines	

PROJECTS

AuroraMart <i>Django, Scikit-Learn, Tailwind CSS, Python, HTML, CSS, JavaScript</i>	Nov 2025
• Formulated a hybrid recommendation system using Scikit-Learn, processing 8+ demographic data points per user to personalize feeds across a catalog of 500+ SKUs	
• Integrated a real-time notification layer with Django Channels, enabling instant order status tracking and live chat for concurrent users without polling overhead	
CanOrNot <i>Tech Lead, Flask, React, Docker</i>	Aug 2025
• Directed a team of 4 engineers to architect a regulatory RAG pipeline, delegating frontend and backend tasks to meet the 48-hour hackathon deadline	
• Enforced development standards by containerizing the application and leading code reviews, ensuring a bug-free deployment for the final pitch	
Olist Market Analysis <i>Pandas, NumPy, Tableau, KeyBERT, Python</i>	Apr 2025
• Collaborated with a team to synthesize customer data using Pandas and NumPy to diagnose a 93.6% churn rate, utilizing KeyBERT to classify review sentiment and statistically correlate negative rating volume to logistics delays	
• Visualized retention metrics across 26 states via interactive Tableau dashboards and formulated a "Geo-Smart" framework to optimize engagement during seasonal peaks	

TECHNICAL SKILLS

- **Languages:** Python, Java, R, JavaScript, TypeScript, HTML, CSS
- **Frameworks:** React, Node.js, Next.js, Django, Flask, Tailwind CSS
- **Data & Databases:** SQL, MongoDB, Pandas, NumPy, Matplotlib, Tableau, Metabase
- **DevOps & Tools:** AWS, Azure, Docker, Git, Jira, Figma, Vercel